

Blat
and
random
pseudorandom two dimensional array of upstanding features which are at least one of shaped and orientated to produce the desired alignment.

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11. (Amended) A device as claimed in claim 1, wherein said features comprise posts, and wherein a tilt angle and orientation of the posts are uniform throughout the device.

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12. (Twice amended) A cell wall for use in manufacturing a liquid crystal device according to claim 1, comprising a wall and a surface alignment structure on one surface thereof for aligning the director of a liquid crystal material, said surface alignment structure comprising one of a random or pseudorandom two dimensional array of upstanding features which are at least one of shaped and orientated to produce the desired alignment.

Please add the following new claims:

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18. (Newly added) A liquid crystal device comprising:

a first cell wall and a second cell wall enclosing a layer of liquid crystal material;
electrodes for applying an electric field across at least some of the liquid crystal material;

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a surface alignment structure on the inner surface of at least the first cell wall providing a desired alignment to the liquid crystal molecules, wherein the said surface alignment structure comprises one of a random or pseudorandom two dimensional array of upstanding features which are at least one of shaped and orientated to produce the desired alignment, and

wherein the said array of upstanding features is not treated to give homeotropic alignment.

19. (Newly added) A liquid crystal device comprising:

a first cell wall and a second cell wall enclosing a layer of liquid crystal material;

with one
electrodes for applying an electric field across at least some of the liquid crystal material;

by
a surface alignment structure on the inner surface of at least the first cell wall providing a desired alignment to the liquid crystal molecules, wherein the said surface alignment structure comprises one of a random or pseudorandom two dimensional array of upstanding features which are at least one of shaped and orientated to produce the desired alignment, and

wherein liquid crystal molecules adjacent the cell wall surface between the said features adopt an alignment which is one of planar and tilted planar.